

**GOVERNMENT OF ANDHRA PRADESH**  
**A B S T R A C T**

Mahatma Gandhi National Rural Employment Guarantee Scheme – Nirmal Bharat Abhiyan (NBA) - Sanitation facilities to all habitations – Convergence with TSC works with RWS&S Department – Revised Orders - Issued.

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PANCHAYAT RAJ AND RURAL DEVELOPMENT (RD.II) DEPARTMENT

G.O.Ms.No.250

Dated:27.08.2012

Read the following:

1. Gazette Publication dated 30.9.2011 of the Government of India.
2. G.O.Ms.No.103, Panchayat Raj & Rural Development (RD.II) Department, dated:19.4.2012.
3. Lr. No. J-11013/01/2011-MGNREGA (Pt.), GOI, dt 10.5.2012 of GOI.
4. Lr. No. J-11017/41/2011-MGNREGA (Pt.), GOI, dt 07-06.2012 of GOI.
5. Lr. No. W.11013/5/2012-CRSP, GOI, MDWS, dt.13.6.2012

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O R D E R:

In the reference 1<sup>st</sup> read above, the Ministry of Rural Development, Government of India has expanded the scope of works under Schedule I, para 1 (ix) of MGNREG programme to include access to Sanitation facilities vide notification no S.O.2265 (E) & S.O.2266 (E) dated 30-9-2011 and issued detailed guidelines for taking up works related to access to sanitation facilities in rural areas for a clean environment and improvement in the general quality of life.

2. In the reference 2<sup>nd</sup> read above, the Government of AP has given guide lines extending sanitation facilities to all the habitations by convergence with Total Sanitation Campaign (TSC) with RWS&S department. Vide the reference 4<sup>th</sup> read above, the Ministry of Rural Development, Government of India has issued revised guidelines for works related to access to sanitation under MGNREG in supersession of the guidelines issued on 10<sup>th</sup> May, 2012.

3. With a view to implementing the scheme and keeping in view of the revised guidelines issued by GOI, the following orders have been issued:

**I. Objective:-**

1. Improve the quality of life of the rural people and thereby strengthen the base of rural livelihood.
2. To create durable assets in rural areas and improve the infrastructure at village level.
3. Accelerate sanitation coverage in rural areas by providing privacy and dignity to women.

**II. Activities covered:-** Of the activities permitted under the scheme, these orders pertain to construction of Individual Household Latrines (IHHL) as per instructions/guidelines of Nirmal Bharat Abhiyan (NBA) administered by Ministry of Drinking Water and Sanitation (MDWS).

**III. Designs/Specifications:**

- a. The designs/specifications and model estimate, prepared as per the instructions/guidelines issued by Ministry of Drinking Water & Sanitation, GOI is enclosed as **Annexure I**. If any change in the design is needed as per local conditions, the concerned District Water & Sanitation Mission (DWSM) shall make a proposal to State Water and Sanitation Mission. (SWSM).
- b. Wherever the beneficiary chooses to make IHHL along with a bathroom, they can use the design/specifications as enclosed in **Annexure II**. However, payment from MGNREGA/NBA will be restricted to provisions given at Para VII of these guidelines.

**IV. Eligibility**

- a. Below poverty Line (BPL) families, above poverty line (APL) beneficiaries restricted to SC/STs, small and marginal farmers, landless labourers with homestead.
- b. All houses constructed by the beneficiaries under Indira Awas Yojana or any other state housing scheme shall also be eligible for the incentive as above for creation of sanitation facilities under Nirmal Bharat Abhiyan (NBA).
- c. The beneficiary who have availed the benefit of IHHL in any other Scheme or having IHHL already shall not be eligible.

**V. Planning and preparation of estimates**

- a. The District Water and Sanitation Mission will communicate to Gram Panchayats (GPs) the approved NBA plan for their respective GPs. The plan shall contain construction of Individual Household Latrines (IHHLs) on a saturation mode for the GP.
- b. The women SHGs of the identified villages will do the baseline survey and assist GP in identifying the eligible and willing beneficiaries following the principle of saturation. CEO SERP will undertake an IEC campaign to activate the SHGs for this purpose.
- c. The GPs will, following the approval of the Gram Sabhas, finalize the list of individual beneficiaries within the given numbers and will also include this as part of approved shelf of projects under MGNREGA.
- d. The entire IHHL unit will be treated as a MGNREGA project for the purpose of giving a unique Work ID, Entry in Works & Asset registers,

Social Audit by Gram Sabha & evaluation by Vigilance and Monitoring Committee.

- e. The estimate will be generated using the MGNREGA software based on the input datasheet in the MCC, as per drawings/ design/ specifications given in Annexure I or Annexure II as the case may be.
- f. The Technical sanctions for IHHL works will be issued by the Engineering Consultant/EGS Engineer/AEE,RWS or any Assistant Engineer identified by District Programme Coordinator.
- g. A combined administrative sanction for the MGNREG component & NBA funds shall be accorded by the District Collector who is the DPC under the MGNREG Act and also the Chairman of DWSM.

#### **VI. Execution**

- a. The GP concerned will be the Implementing Agency.
- b. Each beneficiary should work on his/her IHHL. A muster roll shall be maintained for the work. For this purpose, the Programme Officer (MPDO) will issue muster rolls which shall be maintained on the worksite by the Mate. Copies of the muster roll shall be available with the Gram Panchayat.
- c. On completion of the work and after use of the toilet, the Technical Assistant NREGS shall record the value of work in the M-Book; and it shall be check-measured by the Assistant Executive Engineer RWS or other engineering departments or by the Engineering Consultant of NREGS as decided by the District Collector. Uploading the photo of the completed IHHL along with the beneficiary shall be mandatory.
- d. Based on the muster roll and the M-Book, a single electronic pay order shall be generated at mandal computer centre (MCC) by the MPDO concerned covering the wage and material component, and the NBA incentive and MGNREGS payment.
- e. The e-pay order shall be for online transfer of the amount directly into the account of the beneficiary; and shall be disbursed as per the existing system for disbursement of MGNREGS wages.
- f. No contractor or machines will be deployed for construction of toilet units.
- g. Each GP will maintain a complete list of all IHHLs, whether completed by in MGNREGA or otherwise. In the asset register, the breakup of the assistance/incentive utilized from TSC, State incentive, beneficiary's own contribution and the expenditure from MGNREGA should be shown separately.
- h. The Mate/Field Assistant will be responsible for the following.
  - i. Maintain muster for all the IHHL's in the GP/Village/locality assigned to him/her.

- ii. Record the attendance for skilled and unskilled labour.
  - iii. Ensure that the construction is, at the least, as per the design specified by the MDWS and will certify to that effect.
  - iv. Upon completion of assigned IHHL to him/her, the mate/Field Assistant will sign the muster roll for attendance and for the quantity of work done and hand it over to the Technical Assistant for further processing.
  - v. The TA would then proceed to record the M-Book for all such units.
- i. The measurement of the work for IHHLs shall be made by TA on completion of unit to the extent of MGNREGS components. Check Measurement shall be made by the designated Engineer.
- j. In the construction of IHHL, the GP will ensure that all activities and supply of material are planned and executed in such a way that there is continuity in execution and completion of work.

## VII. Mode of Expenditure

- a) For the construction of IHHL, the expenditure for the following activities will be met from funds under MGNREGA through muster rolls as per MGNREGA process.
  - i. For unit taken up as per design in Annexure I, the unskilled/skilled mandays shall be limited to 15 and 3.5 respectively. For unit taken up as per Annexure II, the unskilled/skilled mandays shall be limited to 20 and 6 respectively. The total amount to be booked under MGNREGA will however not exceed Rs.4,500/- per IHHL.
  - ii. The cost incurred in providing skilled labour and mate will be booked under material component as per the provision of the MGNREGA and will be apportioned to the individual units under construction, accordingly.
- b) Remaining activities required to be carried out for construction of IHHL will be funded from programme under Nirmal Bharat Abhiyan (NBA) utilizing incentive provided by MoDWS/State Government or beneficiaries own contribution.
- c) The funds for the project will be booked as under:

<u>Detail</u>	<u>Amount</u>
Central share of incentive	Rs. 3200/-
State share of incentive	Rs. 1400/-
<b>Total from NBA</b>	<b>Rs. 4,600/-</b>
Unskilled wages from MGNREGS (subject to maximum 20 days)	Rs. 2,740/-
Skilled wages from MGNREGS (subject to maximum 6 days)	Rs. 1,710/-
Cost of mate from MGNREGS (per unit on average not to exceed)	Rs. 50/-
<b>Total MGNREGS</b>	<b>Rs. 4,500/-</b>
Beneficiary contribution	Rs. 900/-
<b>Total</b>	<b>Rs. 10,000/-</b>

- For hilly & difficult areas additional provision of Rs. 500/- from NBA funds.
- d) The NBA incentive will be routed along with the MGNREGS payments using the eFMS system, through a single payment window.

**VIII. Monitoring & Reporting:**

- a. Progress of construction of sanitation facilities under MGNREGS shall be the responsibility of the District Programme Coordinator (DPC) and Chairman of DWSM.
  - b. The construction of all sanitation facilities under MGNREGS will be subject to Social Audit as per MGNREGS and NBA regulation/guidelines.
  - c. Web reports will be made available to monitor the progress of works and payment of expenditure through the web [www.nrega.ap.gov.in](http://www.nrega.ap.gov.in).
4. Rural Development and Rural Water Supply Departments are requested to mobilise their field functionaries to implement the Nirmal Bharat Abhiyan in an efficient manner so as to achieve saturation in all the villages in the State within 3 years.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

**Minnie Mathew**  
**CHIEF SECRETARY TO GOVERNMENT**

To  
The Principal Secretary RD  
The Secretary RWS  
The Commissioner, Rural Development, AP., Hyderabad  
The EnC, RWS&S  
The Director (EGS) O/o the Commissioner (RD)  
All the District Collectors and District Programme Coordinators, NREGS  
All the Project Directors, DWMA & Addl. District Programme Coordinators, NREGS  
All the Project Directors, DRDAs and Additional District Programme Coordinators, NREGS  
All the Chief Executive Officers, ZPs and Additional District Programme Coordinators, NREGS.  
The Project Officer, ITDA and Additional District Programme Coordinators of Eturu Nagaram (Warangal), Bhadrachalam (Khammam), Utnoor (Adilabad) and Parvathipuram (Vizianagaram), Srisailam (Kurnool), Paderu (Visakhapatnam), Seethampeta (Srikakulam), Rampachodavaram (East Godavari) & KR Puram (West Godavari).  
The PD, SWSM

**Copy to:**

The Prl. Secretary, Finance (W&P) Dept., Govt. of A.P., Hyderabad.  
The Prl. Secretary, PR., Govt. of A.P., Hyderabad.  
The Prl. Secretary, Tribal Welfare Dept., Govt. of A.P., Hyderabad.  
The Commissioner Disaster Management and EO Secy. to Govt.  
The Commissioner, AMR-APARD, Rajendranagar, Hyderabad  
The Commissioner, Tribal Welfare, Hyderabad  
The Chairman and Members of Technical Committee.

The Engineer-in-Chief, Panchayat Raj Dept.  
The Chief Engineer, Tribal Welfare  
The Special Officers of NREGS-AP Districts O/o CRD, Hyd  
The Secretary, APREG Council, Hyderabad.  
The Superintending Engineers of Panchayat Raj of NREGS -AP Districts.  
PS to Prl. Secretary, RD, Govt. of A.P., Hyderabad  
PR&RD (Gent) Dept., (2 copies)  
SF/SC

//FORWARDED :: BY ORDER//

SECTION OFFICER

## **ANNEXURE – I**

(to G.O Ms No.250, PR & RD (RDII) Dept., Dt.27.08.2012)

### **Government of Andhra Pradesh Rural Water Supply and Sanitation Department**

## **MODEL ESTIMATE**

**Construction of Individual House Hold Sanitary  
Latrine (IHHL) 3’X4’ with A.C.Sheet Roofing  
and 2 Leach Pits.**

**Est : Cost Rs.10,500/-**

**STATE WATER & SANITATION MISSION  
HYDERABAD**

**SPECIFICATION REPORT**

**Construction of IHHL (3'x4') with A.C.Sheet Roofing and 2 Leach Pits**

**Estt. Cost : Rs. 10,500/-**

The work " Construction of Individual Sanitary Latrine (ISL) with 2 Leach Pits has been proposed by adopting leach pit technology towards providing sanitation facilities to a house hold for elimination of open defecation and for better health & hygiene practices to an individual in the village that to bring 100% sanitation in the Village. The Labour component is being generated 18.50 Mandays. Hence the estimate is prepared with the following provisions.

- 1    Size of Toilet 3ft x 4ft**
- 2    Adopting leach pit technology with two pits**
- 3    Depth of pit 1.20m of 1.00 mtr**
- 4    Providing AC sheet for roof**
- 5    Genarating 18.50 Mandays**

**The estimate is prepared with the current SSR 2011-12**



## CIVIL WORK DATAS

# Construction of IHHL (3'x4') with A.C.Sheet Roofing and 2 Leach Pits

## Est.Cost. Rs. 10,500/-

AS PER SSR 2011-12

Sl. No	Description	Unit	Qty	Rate Rs,	Amount Rs.	Labour component	
						Skilled	Unskilled
1	2	3	4	5	6	7	8
1	Earthwork in excavation for structures as per drawing and technical specifications clause 305. I .Including setting out, construction od shoring and bracing, removal of stumps and and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material as per Technical Specification.						
	for Buildings						
	Note : Classifications of Earth Work Specification are per 302.2.1 (a) of MORD and 301.02.01 of MORTH &H						
	Ordinary soil (Bridge Date)						
	Manual Means						
	Upto 3 m depth						
	Unit = cum						
	Taking output=10 cum						
	<b>a) Labour</b>						
	Mate						
	Mazdoor (Unskilled)	day					
	Add 75% for foundations	day	3.64	215	782.60		
	Add 20% Over Labour Charges			782.60	0.00		
	Add seignorage charges				220.00		
					1002.60		
	Rate per cum = (a+b+c)/10			Say	100.26		
	<b>Grand Total</b>				<b>100.26</b>		<b>100.26</b>
2	Filling the Basement and surrounding area with excavated soil including all labour charges						
	50% of Item 1	Cum	0.50	<b>100.26</b>	<b>50.13</b>		<b>50.13</b>
3	<b>Cement Motar (1:2)</b>						
	Unit : 1cum						
	<b>A. MATERIALS:</b>						
	CEMENT	kg.	720.00	5.10	3672.00		
	Sand (Including 5% wastage)	cum	1.05	461.31	484.38		
	<b>B. LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
			0.00	43.00	0.00		
	<b>Grand Total</b>				<b>4199.38</b>		<b>43.00</b>
4	<b>Cement Mortar (1:3)</b>						
	Unit : 1Cum						
	<b>A. MATERIALS:</b>						
	CEMENT	kg	486.00	5.10	2478.60		
	Sand (Including 5% wastage)	cum	1.06	461.31	484.38		
	<b>B. LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.00	215.00	43.00		
	Add 20% over lobour charges		0.00	43.00	0.00		
	<b>Grand Total</b>				<b>3005.98</b>		<b>43.00</b>
5	<b>Cement Mortar (1 : 4)</b>						
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	360.00	5.10	1836.00		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	<b>B.LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>Grand Total</b>				<b>2363.38</b>		<b>43.00</b>
6	<b>Cement Mortar (1 : 5)</b>						
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	288.00	5.10	1468.80		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	<b>B.LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>Grand Total</b>				<b>1996.18</b>		<b>43.00</b>

7	<b>Cement Mortar (1 : 6)</b>						
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	240.00	5.10	1224.00		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	<b>B.LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>GRAND TOTAL</b>				<b>1751.38</b>		<b>43.00</b>
8	<b>Cement Mortar (1 : 8)</b>						
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	180.00	5.10	918.00		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	<b>B.LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>GRAND TOTAL</b>				<b>1445.38</b>		<b>43.00</b>
	CONCRETE, DAMP PROOF COURSE & REINFORCEMENT						
9	<b>Plain Cement concrete (1:5:10)using 40mm metal concrete mixture. All work upto plianth level.</b>		<b>BLD-CSTN-2-7</b>				
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	129.60	5.10	660.96		
	Coarse aggregate 40 mm	cum	0.90	764.48	688.03		
	Fine aggregate (Sand)	cum	0.45	461.31	207.59		
	Water (including for curing)	Kl	1.20	88.52	106.22		
	<b>C.LABOUR</b>						
	Manson1st Class	day	0.10	285.00	28.50		
	Mazdoor (unskilled)	day	2.36	215.00	507.40		
	<b>Grand Total</b>				<b>2198.70</b>	<b>28.50</b>	<b>507.40</b>
10	<b>RR Masonry in CM (1:6)</b>		<b>BLD-CSTN-4-8</b>				
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	79.20	5.10	403.92		
	C.Rough Stone	cum	0.44	481.48	211.85		
	Rough Stone		0.66	436.48	288.08		
	Fine aggregate (Sand)	7 nos	0.33	461.31	152.23		
	<b>B.LABOUR</b>						
	Manson1st Class	day	1.20	285.00	342.00		
	Mazdoor (unskilled)	day	20.00	215.00	430.00		
	Add 20% over labour charges		0.00	772.00	0.00		
	<b>Grand Total</b>				<b>1828.08</b>	<b>342</b>	<b>430</b>
11	<b>Brick Masonry in CM (1:6) WITH 2nd class Bricks traditinal size 23x11x7 cms</b>		<b>BLD-CSTN-3-</b>				
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	48.00	5.10	244.80		
	Bricks traditional size 23x11x7 cms 2nd class	cum	512.00	3153.92	1614.81		
	Fine aggregate (Sand)	cum	0.20	461.31	92.26		
	<b>B.LABOUR</b>						
	Manson1st Class	day	0.24	285.00	68.40		
	Manson 2nd Class	day	0.56	260.00	145.60		
	Mazdoor (unskilled)	day	1.89	215.00	406.35		
	Add 20% over labour charges				0.00		
	<b>Grand Total</b>				<b>2572.22</b>	<b>214</b>	<b>406.35</b>
	PLASTERING						
12	<b>Plastering with CM (1 : 4), 12 MM THICK</b>		<b>BLD-CSTN-6-1</b>				
	Unit : 10 sqm						
	<b>A. MATERIALS :</b>						
	Cement Mortar (1:3)	cum	0.15	2363.38	354.51		
	<b>B.LABOUR</b>				0.00		
	Manson1st Class	day	0.60	285.00	171.00		
	Mazdoor (unskilled)	day	0.96	215.00	206.40		
	Add 20% over labour charges		0.00	377.40	0.00		
	<b>Grand Total</b>				<b>731.91</b>	<b>171</b>	<b>206.40</b>

## Construction of IHHL (3'x4') with A.C.Sheet Roofing and 2 Leach Pits

### Est.Cost. Rs. 10,500/-

#### Lead Chart ( 2011-12)

Sl No	Description	Unit			Lead in KM	Initial Cost	Conveyance Charges	Decuct 14% contracto profile and overheads	Seignorage Charges	Blasting Charges	25 % Maching crushing Charges	Loading Charges	Un Loading Charges	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Cemant	1	MT	-	-	5100.00	0.00	0.00	-	-	-	-	-	5100.00
2	Steel Fe 415	1	MT	-	-	48000.00	0.00	0.00	-	-	-	-	-	48000.00
3	Sand for Mortar	1	Cum	Local	15.00	285.00	158.50	-22.19	40.00	-	-	-	-	461.31
4	Sand for Filling	1	Cum	Local	10.00	210.00	111.00	-15.54	40.00	-	-	-	-	345.46
5	2nd Class bricks	1000	Nos	Fasalwadi	10.00	3096.15	62.70	-8.78	3.85	-	-	-	-	3153.92
6	40 mm HBG metal SS5, Mechine crushed	1	Cum	Lakdaram	16.00	500.00	168.00	-23.52	50.00	70.00	-	-	-	764.48
7	20 mm HBG SS5 M/C metal	1	Cum	Lakdaram	16.00	844.00	168.00	-23.52	50.00	70.00	211.00	-	-	1319.48
8	RR Mansonary	1	Cum	Lakdaram	16.00	175.00	168.00	-23.52	50.00	67.00	-	-	-	436.48
9	CR Stones 30x30x45 cm each 13/-	1	Cum	Lakdaram	16.00	218.00	168.00	-23.52	50.00	69.00	-	-	-	481.48
10	Gravel	1	Cum	Local	10.00	58.00	111.00	-15.54	22.00	-	-	-	-	175.46
11	Water	1	KL	Local	1.00	77.00	13.40	-1.88	-	-	-	-	-	88.52
The above are verified and found correct with best of knowledge.														

**DETAILED CUM ABSTRACT ESTIMATE**

**Construction of IHHL (3'x4') with A.C.Sheet Roofing and 2 Leach Pits**  
**Est.Cost. Rs. 10,500/-**

Sl. No	Description	Nos	Length	Breadth	Depth	Quantity	Rate	Unit	Total Amount
1	2	3	4	5	6	7	8	9	10
1	<b>Earth Work excavation and depositing on bank</b> with initial lead of 10m and initial lift of 2m in Loamy and Clayay Soils like B.C Soils, red earth & Ordinary Gravel (SS 20-B) including labor charges etc., Complete for finished item of work. As per SSR 2011-12.								
	For long walls	1x2	1.72	0.40	0.40	0.55			
	For cross walls	1X2	0.62	0.4	0.4	0.2			
	For leach pits	1X2X II/ 4	1.00	1.00	1.20	1.88			
	For chamber	1x1	0.50	0.50	0.300	0.08			
						<b>2.708</b>	<b>100.26</b>	<b>Cum</b>	<b>272</b>
2	<b>Plain Cement Concrete (1:5:10) prop nominal nix</b> (cement : fine aggregate :coarse aggregate) using 40mm size HBG (SS5) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate/ and labor charges such as mixing, laying and ramming concrete in layers in position not complete for finished item of work. As per SSR 2011-12.								
	For long walls	1x2	1.715	0.40	0.10	0.13			
	For cross walls	1X2	0.615	0.40	0.10	0.04			
	For inside flooring	1x1	0.90	1.20	0.075	0.08			
	For chamber	1x1	0.50	0.50	0.100	0.025			
						<b>0.275</b>	<b>2198.70</b>	<b>Cum</b>	<b>605</b>
3	<b>Random rubble stone masonry, in CM (1:6) prop</b> : (Cement :Sand) using hard granite stones from approved quarry including cost and conveyance of all materials like granite stones, cement, sand, water, etc., to site including all operational, incidental, and labor charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry , curing etc., complete for finished item of work for foundation (APSS No. 601&615). As per SSR 2011-12.								
	For long walls	1x2	1.72	0.40	0.30	0.41			
	-do- above GL	1X2	1.72	0.40	0.25	0.34			
	For Cross walls CL	1X2	0.615	0.40	0.30	0.14			
	- do- above GL	1X2	0.615	0.40	0.25	0.12			
						<b>1.01</b>	<b>1828.08</b>	<b>Cum</b>	<b>1846</b>
4	<b>Brick Masonry in superstructure with CM (1:6) prop</b> : using country bricks including cost and conveyance of all materials, all operational, incidental and labor charges such as mixing cement motor constructing masonry, scaffolding charges, lift chargers using etc., complete for finished item of work. (AP SS No. 501 & 604). As per SSR 2011-12.								
	For long walls	1x2	1.43	0.12	1.95+1.80/2	0.61			
	For cross walls	1x1	0.90	0.12	1.95	0.2			
		1x1	0.90	0.12	1.8	0.18			
	Binding wall on A.C sheet roof	1x1	3.76	0.12	0.15	0.06			
	For chamber	1x1	0.83	0.12	0.3	0.03			
	<b>Deduction--for Door</b>	1x1	0.60	0.12	1.8	-0.12			
	For Ventilater	1x1	0.60	0.12	0.30	-0.02			
						<b>0.934</b>	<b>2572.22</b>	<b>Cum</b>	<b>2403</b>
								<b>c/o</b>	<b>5126</b>

5	Plastering with CM (1:4) 12mm thick including cost and the convenience of all materials and labour charges etc complete. As per SSR 2011-12.								
	For inside Long Walls	1x2	1.2	-	1.95+1.80/2	4.5			
	For inside Cross Wall	1x1	0.9	-	1.95	1.75			
	For inside Cross Wall	1x1	0.9	-	1.8	1.62			
	Out side long wall	1x2	1.43	-	2.1+1.95/2	5.79			
	Out side cross wall	1X1	1.13	-	2.1	2.37			
	do	1X1	1.13	-	1.8	2.03			
	for flooring inside WC room	1X1	0.9	1.2	-	1.08			
	for A/R to chamber inside	1X1	1.2	-	0.3	0.36			
	do- out side	1X1	2	-	0.3	0.6			
	Deduction: for door	1X1	0.6	-	1.8	-1.08			
	: for ventilator	1X1	0.6	-	0.3	-0.18			
						18.84	731.91	10sq	1379
6	Refilling with E/W earth in basament and leach pits including Watering tamping etc complete for finished item of works. As per SSR 2011-12.								
	Qty vide item No (1)					2.63	50=13	cum	132
7	S& F of R.C.C. 1000mm Dia. precast rings including c/o of materials and l/c etc complete for leach pits.								
		1X2X	4 Nos	-	-	8	150=00	1 No	1200
8	S& F of RCC 1000 mm DIA precast ring covers including c/c of materials and l/c etc complete for over leach pits.								
		1X2	Nos	-	-	2	200	1 No	400
9	S& Laying of SWG pipe of 100 mm dia including c/c of metirials and l/c etc complete for WC and leach pits connections.								
	SWG Pipe	1X1	3M	-	-	3	80=00	1 RM	240
10	S&F of RCC Jally ventilator of 0.6X0.3 Mtr including c/c of all materials and l/c etc complete for ventilator.								
		1X1	1 No	-	-	1	50=00	1 No	50
11	Supplying of WC with 'P' trap								
	WC & 'P' trap	1X1	1 No	-	-	1 No		1 No	
12	Supplying of MS Door of site 0.60 x1.65 mtr including all fixtures are aranged as per approved design by dept Engineer and including c/c of all material and l/c etc complete for finished itme of work.						R.C.as approved in SWSM is Rs.1539/- exclusive of taxes 14.5%		1762
	For Door	1X1	1 No	-	-	1		1 No	
13	Supplying of AC sheet of size 1.05 X 1.50 M incl c/c materials and l/c etc complete.								
	For AC Sheet	1X1	1 No	-	-	1		1 No	
14	Fixing Charges of W.C &'P' trap , M.S.Door & A.C.Sheet					L.S			200
14	Unforceen items if any					L.S			11
	Grand Total						Rs.		10500

**STATEMENT SHOWING THE MATERIAL / LABOUR COMPLEMENT AND SKILLED/ UN SKILLED LABOUR NO. OF MANDAYS GENERATED FOR C/O 2PITS ISL  
A.C.Sheet Roof(3'x4')**

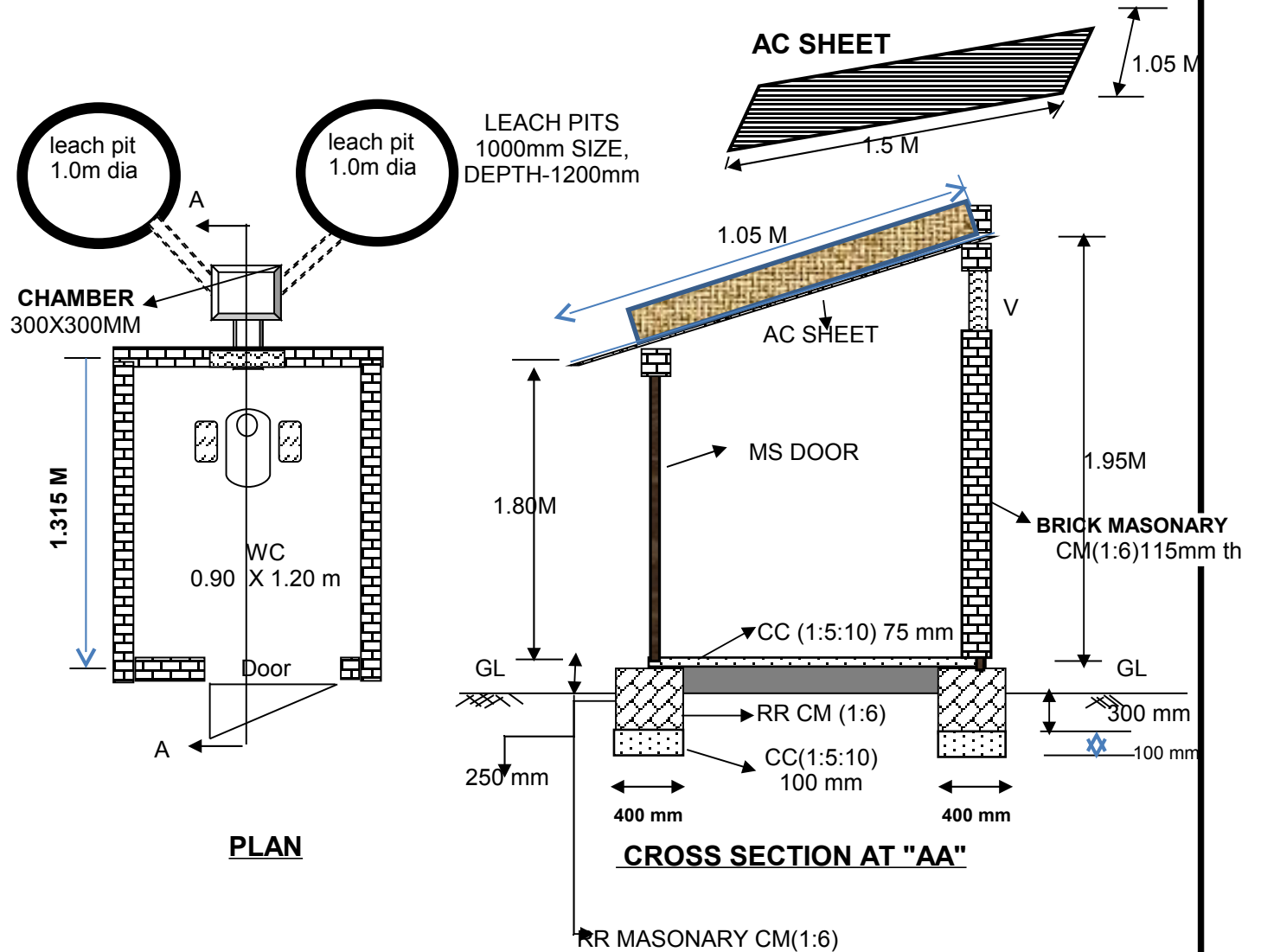
Sl No	Particulars of Items	Unit	Quantity	Rate/Per	Amount	Material. Copmponent	Labour Component	Skilled Component on Labour	UN Skilled Component on Labour	No of Man days generated on skilled at rate of Rs. 285/-	No of Man days generated on unskilled at rate of Rs. 215/-
1	2	3	4	5	6	7	8	9	10	11	12
1	E/W excavation in OG soils	1 Cum	2.71	100.26	272.00	0.00	272.00	0.00	272.00	0.00	1.27
2	CC(1:5:10) using 40mm HBG	1 Cum	0.28	2198.70	605.00	457.62	147.38	7.84	139.54	0.03	0.65
3	RR Masonry in CM (1:6)	1 Cum	1.01	1828.08	1846.00	1066.28	779.72	345.42	434.30	1.21	2.02
4	Brick masonry in CM (1:6)	1 Cum	0.934	2572.22	2403.00	1834.88	568.12	201.16	366.96	0.71	1.71
5	Plastering in CM (1:4) 12mm	10 Sqm	18.84	731.91	1378.92	665.87	713.05	321.31	391.74	1.13	1.82
6	Refilling with E/X earth	1 Cum	2.63	50.13	132.00	0.00	132.00	0.00	132.00	0.00	0.61
7	S/F of RCC 1000mm dia ring	Each	8.00	150.00	1200.00	985.00	215.00		215.00	0.00	1.00
8	S/F of RCC 1000mm dia ring cover	Each	2.00	200.00	400.00	250.00	150.00		150.00	0.00	0.70
9	S/F of 100mm SWG pipe line	Rmt	3.00	80.00	240.00	200.00	40.00		40.00	0.00	0.19
10	RCC Jally Ventitlor 0.6x0.3 mt	Each	1.00	50.00	50.00	30.00	20.00	20.00	0.00	0.07	0.00
11	S/F of Wc with P Trap	Each	1.00	R.C.as approved in SWSM is Rs.1539 /- exclusive of taxes 14.5%	1762.00	1762.00				0.00	0.00
12	Supplying of MS door of 0.60X1.65mts	Each	1.00							0.00	0.00
13	Supplying of AC sheet of size 1.05X1.50mts	Each	1.00							0.00	0.00
14	Fixing Charges of W.C &'P' trap , M.S.Door & A.C.Sheet			L.S	200.00		200.00	0.00	200.00	0.00	0.93
15	Unforceen items if any	L.S			11.00	11.00	0.00			0.00	0.00
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10500</b>	<b>7262.65</b>	<b>3237.27</b>	<b>895.73</b>	<b>2141.54</b>	<b>3.14</b>	<b>10.89</b>
	<b>* Enhancement of unskilled labour component 30% on arrived unskilled labour component worked out as per SSR as he is not a conventional worker.</b>										
	<b>Grand Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>10500</b>	<b>7262.65</b>	<b>3237.27</b>	<b>895.73</b>	<b>2141.54</b>	<b>3.14</b>	<b>14.16</b>
								<b>Total Mazdoors = 3.50+15.0= 18.50 Nos.</b>			

**PLAN AND CROSS SECTION OF MODEL INDIVIDUAL SANITARY LATRINE(ISL) WITH 2 LEACH PITS For 3' X 4'**

**::INDEX::**

- 1.SIZE OF TOILET :: 0.9m x 1.20 m
- 2.AC SHEET SIZE :: 1.05m x 1.50 m
- 3.MS DOOR SIZE :: 0.60m x 1.65m
- 4.Brick Masonary in CM(1:6)115mm thick
- 5.RR masonry in CM(1:6) HG stone
- 6.CC(1:5:10) 40mm HBG 100mm
- 7.E/W section :: 040x040m
- 8.Plastering in CM(1:4) 12mm thick
- 9.Ventilator RCC.0.60x0.30m
- 10.SWG pipe line with 100 mm dia

NOT TO SCALE



## **ANNEXURE – II**

(to G.O Ms No.250, PR & RD (RDII) Dept., Dt.27.08.2012)

### **Government of Andhra Pradesh Rural Water Supply and Sanitation Department**

## **MODEL ESTIMATE**

**Construction of Individual House Hold Sanitary Latrine**

**(IHHL) 6'6" x 4' With 2 Leach Pits and Bath Room**

**Est : Cost Rs.16,000/-**

**STATE WATER & SANITATION MISSION  
HYDERABAD**



**SPECIFICATION REPORT**

**Specificalton Report accompaying the estimate for the work " Construction of Individual Sanitary Latrine (IHHL) 6'6" x 4'with 2 leach pits and Bath Room"**

**Estt. Cost : Rs. 16,000/-**

The work " Construction of Individual Sanitary Latrine (ISL) with 2 Leach Pits has been proposed by adopting leach pit technology towards providing sanitation facilities to a house hold for elemination of open defacation and for better health & hygiene practices to an individual in the village that to bring 100% sanitation in the Village. The Labour component is being genarated 26 Mandays. Hence the estimate is prepared with the following provisions.

- 1    Size of Toilet 4ft x 61/2ft  
     Bath Room 3ftx4ft and W.C. 3 ftx4ft**
- 2    Adopting leach pit technology with two pits**
- 3    Depth of pit 1.20m of 1.00 mtr dia.**
- 4    Providing AC sheet for roof of size 1.05 mtr x 1.50 mtr.(R.C.Rate)**
- 5    Genarating 26 Mandays**

The estimate is prepared with the current SSR 2011-12

## DETAILED CUM ABSTRACT ESTIMATE

Construction of IHHL 6' 6" x 4' with 2 Leach Pits and Bath Room Est.Cost.Rs.16,000/-

Sl. No	Description	Nos	Length	Breadth	Depth	Quantity	Rate	Unit	Total Amount
1	2	3	4	5	6	7	8	9	10
1	<b>Earth work excavation and depositing on bank</b> with initial lead of 10m and initial lift of 2m in Loamy and Clayay Soils like B.C Soils, red earth & Ordinary Gravel (SS 20-B) including labor charges etc., Complete for finished item of work								
	For long walls	1x2	2.43	0.40	0.40	0.78			
	For cross walls	1X3	0.92	0.4	0.4	0.44			
	For leach pits	1X2X II 4	1.00	1.00	1.20	1.88			
						<b>3.099</b>	<b>100.26</b>	<b>Cum</b>	<b>311</b>
2	<b>Plain Cement Concrete (1:5:10) prop nominal nix</b> (cement : fine aggregate :coarse aggregate) using 40mm size HBG (SS5) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate/ and labor charges such as mixing, laying and ramming concrete in layers in position not complete for finished item of work.								
	For long walls	1x2	2.43	0.40	0.10	0.194			
	For cross walls	1X3	0.92	0.40	0.10	0.11			
	For inside flooring	1x2	0.90	1.20	0.075	0.16			
	For chamber	1x1	0.50	0.50	0.10	0.025			
						<b>0.492</b>	<b>2198.70</b>	<b>Cum</b>	<b>1081</b>
3	<b>Random rubble stone masonry, in CM (1:6) prop :</b> (Cement :Sand) using hard granite stones from approved quarry including cost and conveyance of all materials like granite stones, cement, sand, water, etc., to site including all operational, incidental, and labor charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry , curing etc., complete for finished item of work for foundation (APSS No. 601&615)								
	For long walls	1x2	2.43	0.40	0.30	0.58			
	do above GL	1X2	2.43	0.40	0.25	0.49			
	For walls CL	1X3	0.92	0.40	0.30	0.33			
	do above GL	1X3	0.92	0.40	0.25	0.28			
						<b>1.68</b>	<b>1828.08</b>	<b>Cum</b>	<b>3065</b>
4	<b>Brick Masonry in superstructure with CM (1:6) prop:</b> using country bricks including cost and conveyance of all materials, all operational, incidental and labor charges such as mixing cement motor constructing masonry, scaffolding charges, lift chargers using etc., complete for finished item of work. (AP SS No. 501 & 604)								
	For long walls	1x1	2.15	0.12	1.95	0.482			
		1x1	2.15	0.12	1.80	0.445			
	For cross walls	1x3	1.20	0.12	1.88	0.778			
	Binding wall	1x1	7.89	0.12	0.15	0.136			
	For chamber	1x1	1.66	0.12	0.3	0.057			
	<b>Deduction--for Door</b>	1x2	0.60	0.12	1.80	-0.25			
	For Ventilater	1x2	0.60	0.12	0.30	-0.04			
						<b>1.609</b>	<b>2572.22</b>	<b>Cum</b>	<b>4139</b>
								<b>c/o</b>	<b>8596</b>

							b/f	8596
5	<b>Plastering with CM (1:4) 12mm thick</b> including cost and the convenience of all materials and labour charges etc complete.							
	For inside Long Wall	1x1	1.80		1.95	3.51		
		1x1	1.80		1.8	3.24		
	For inside Cross Walls	1x4	1.2		1.88	9.02		
	Out side long wall	1x1	2.15		1.95	4.19		
		1x1	2.15		1.8	3.87		
	Out side cross wall	1X2	1.43		1.88	5.38		
	for flooring inside WC room	1X2	1.2	0.9		2.16		
	for A/R to chamber inside	1X1	1.2		0.3	0.36		
	do- out side	1X1	2.12		0.3	0.6		
	Deduction: for door	2X2	0.6		1.80	-4.32		
	: for ventilator	2X2	0.6		0.3	-0.72		
						<b>27.29</b>	<b>731.91</b>	<b>10sq 1998</b>
6	<b>Refilling with G/W earth in basament and leach pits</b> including Watering tamping etc complete for finished item of works							
	<b>Qty vide item No (1)</b>					<b>3.099</b>	<b>50.13</b>	<b>cum 155</b>
7	S& F of R.C.C. 1000mm Dia. precast rings including c/o of materials and l/c etc complete for leach pits							
		1X2	4 Nos	-	-	<b>8</b>	<b>150</b>	<b>1 No 1200.00</b>
8	S& F of RCC 1000 mm DIA precast ring covers including c/c of materials and l/c etc complete for over leach pits							
		1X2	2Nos	-	-	<b>2</b>	<b>200</b>	<b>1 No 400.00</b>
9	S& Laying of SWG pipe of 100 mm dia including c/c of metirials and l/c etc complete for WC and leach pits connections.							
	<b>SWG Pipe</b>	1X1	3M	-	-	<b>3</b>	<b>80</b>	<b>1 RM 240.00</b>
10	S& F of RCC Jally ventilator of 0.6X0.3 Mtr including c/c of all materials and l/c etc complete for ventilator.							
		1X1	1 No	-	-	<b>2</b>	<b>50</b>	<b>1 No 100.00</b>
11	Supplying of WC with 'P' trap							
	<b>WC &amp; 'P' trap</b>	1X1	1 No	(R.C.Rate)		<b>1</b>	<b>550</b>	<b>1 No 550.00</b>
12	Supplying of MS Door of site 0.60 x1.65 mtr including all fixtures are aranged as per approved design by dept Engineer and including c/c of all material and l/c etc complete for finished itme of work.							
	<b>For Door</b>	1X2	2 No	(R.C.Rate)		<b>2</b>	<b>700</b>	<b>1 No 1400.00</b>
13	Supplying of AC sheet of size 1.50 X 2.40 M incl c/c materials and l/c etc complete.							
	<b>For AC Sheet</b>	1X3	3 No	A.C.Sheet size 1.05mx1.20m(R.C.Rate)		<b>3</b>	<b>290</b>	<b>1 No 870.00</b>
14	Fixing Charges of W.C &'P' trap , M.S.Door & A.C.Sheet					<b>L.S</b>		<b>491</b>
14	Unforceen items if any					<b>L.S</b>		
	<b>Grand Total</b>						<b>Rs.</b>	<b>16000</b>

**Page - 5**  
**Construction of IHHL 6'6" x 4' With 2 Leach Pits and Bath Room**  
**Lead Chart ( 2011-12)**

Sl No	Description	Unit			Lead in KM	Initial Cost	Conveyance Charges	Deduct 14% contracto profile and overheads	Seignorage Charges	Blasting Charges	25 % Maching crushing Charges	Loading Charges	Un Loading Charges	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Cemant	1	MT	-	-	5100.00	0.00	0.00	-	-	-	-	-	5100.00
2	Steel Fe 415	1	MT	-	-	48000.00	0.00	0.00	-	-	-	-	-	48000.00
3	Sand for Mortar	1	Cum	Local	15.00	285.00	158.50	-22.19	40.00	-	-	-	-	461.31
4	Sand for Filling	1	Cum	Local	10.00	210.00	111.00	-15.54	40.00	-	-	-	-	345.46
5	2nd Class bricks	1000	Nos	Fasalwadi	10.00	3096.15	62.70	-8.78	3.85	-	-	-	-	3153.92
6	40 mm HBG metal SS5, Mechine crushed	1	Cum	Lakdaram	16.00	500.00	168.00	-23.52	50.00	70.00	-	-	-	764.48
7	20 mm HBG SS5 M/C metal	1	Cum	Lakdaram	16.00	844.00	168.00	-23.52	50.00	70.00	211.00	-	-	1319.48
8	RR Mansonary	1	Cum	Lakdaram	16.00	175.00	168.00	-23.52	50.00	67.00	-	-	-	436.48
9	CR Stones 30x30x45 cm each 13/-	1	Cum	Lakdaram	16.00	218.00	168.00	-23.52	50.00	69.00	-	-	-	481.48
10	Gravel	1	Cum	Local	10.00	58.00	111.00	-15.54	22.00	-	-	-	-	175.46
11	Water	1	KL	Local	1.00	77.00	13.40	-1.88	-	-	-	-	-	88.52

The above are verified and found correct with best of knowledge.

## CIVIL WORK DATAS

Construction of IHHL 6'6" x 4' With 2 Leach Pits and Bath Room

AS PER SSR 2011-12

Sl. No	Description	Unit	Qty	Rate Rs,	Amount Rs.	Labour component	
						Skilled	Unskilled
1	2	3	4	5	6	7	8
1	Earthwork in excavation for structures as per drawing and technical specifications clause 305. I .Including setting out, construction od shoring and bracing, removal of stumps and and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material as per Technical Specification.						
	for Buildings						
	Note : Classifications of Earth Work Specification are per 302.2.1 (a) of MORD and 301.02.01 of MORTH &H						
	Ordinary soil (Bridge Date)						
	Manual Means						
	Upto 3 m depth						
	Unit = cum						
	Taking output=10 cum						
	a) Labour						
	Mate						
	Mazdoor (Unskilled)	day					
	Add 75% for foundations	day	3.64	215	782.60		
	Add 20% Over Labour Charges			782.60	0.00		
	Add seignorage charges				220.00		
					1002.60		
	Rate per cum = (a+b+c)/10			Say	100.26		
	<b>Grand Total</b>				<b>100.26</b>		<b>100.26</b>
2	Filling the Basement and surrounding area with excavated soil including all labour charges						
	50% of Item 1	Cum	0.50	<b>100.26</b>	<b>50.13</b>		<b>50.13</b>
3	<b>Cement Motar (1:2)</b>						
	Unit : 1cum						
	<b>A. MATERIALS:</b>						
	CEMENT	kg.	720.00	5.10	3672.00		
	Sand (Including 5% wastage)	cum	1.05	461.31	484.38		
	<b>B. LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
			0.00	43.00	0.00		
	<b>Grand Total</b>				<b>4199.38</b>		<b>43.00</b>
4	<b>Cement Mortar (1:3)</b>						
	Unit : 1Cum						
	<b>A. MATERIALS:</b>						
	CEMENT	kg	486.00	5.10	2478.60		
	Sand (Including 5% wastage)	cum	1.06	461.31	484.38		
	<b>B. LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.00	215.00	43.00		
	Add 20% over lobour charges		0.00	43.00	0.00		
	<b>Grand Total</b>				<b>3005.98</b>		<b>43.00</b>
5	<b>Cement Mortar (1 : 4)</b>						
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	360.00	5.10	1836.00		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	<b>B.LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>Grand Total</b>				<b>2363.38</b>		<b>43.00</b>
6	<b>Cement Mortar (1 : 5)</b>						
	Unit : 1cum						
	<b>A. MATERIALS :</b>						
	Cement	kg	288.00	5.10	1468.80		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	<b>B.LABOUR</b>						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>Grand Total</b>				<b>1996.18</b>		<b>43.00</b>

7	Cement Mortar (1 : 6)						
	Unit : 1cum						
	A. MATERIALS :						
	Cement	kg	240.00	5.10	1224.00		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	B.LABOUR						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>GRAND TOTAL</b>				<b>1751.38</b>		<b>43.00</b>
8	Cement Mortar (1 : 8)						
	Unit : 1cum						
	A. MATERIALS :						
	Cement	kg	180.00	5.10	918.00		
	Sand (including 5 % wastage)	cum	1.05	461.31	484.38		
	B.LABOUR						
	Man mazdoor for mixing mortas	day	0.20	215.00	43.00		
	Add 20 % over labour charges		0.00	43.00	0.00		
	<b>GRAND TOTAL</b>				<b>1445.38</b>		<b>43.00</b>
	CONCRETE, DAMP PROOF COURSE & REINFORCEMENT						
9	Plain Cement concrete (1:5:10)using 40mm metal concrete mixture. All work upto plianth level.		BLD-CSTN-2-7				
	Unit : 1cum						
	A. MATERIALS :						
	Cement	kg	129.60	5.10	660.96		
	Coarse aggregate 40 mm	cum	0.90	764.48	688.03		
	Fine aggregate (Sand)	cum	0.45	461.31	207.59		
	Water (including for curing)	Kl	1.20	88.52	106.22		
	C.LABOUR						
	Manson1st Class	day	0.10	285.00	28.50		
	Mazdoor (unskilled)	day	2.36	215.00	507.40		
	<b>Grand Total</b>				<b>2198.70</b>	<b>28.50</b>	<b>507.40</b>
10	RR Masonry in CM (1:6)		BLD-CSTN-4-8				
	Unit : 1cum						
	A. MATERIALS :						
	Cement	kg	79.20	5.10	403.92		
	C.Rough Stone	cum	0.44	481.48	211.85		
	Rough Stone		0.66	436.48	288.08		
	Fine aggregate (Sand)	7 nos	0.33	461.31	152.23		
	B.LABOUR						
	Manson1st Class	day	1.20	285.00	342.00		
	Mazdoor (unskilled)	day	20.00	215.00	430.00		
	Add 20% over labour charges		0.00	772.00	0.00		
	<b>Grand Total</b>				<b>1828.08</b>	<b>342</b>	<b>430</b>
11	Brick Masonry in CM (1:6) WITH 2nd class Bricks traditinal size 23x11x7 cms		BLD-CSTN-3-				
	Unit : 1cum						
	A. MATERIALS :						
	Cement	kg	48.00	5.10	244.80		
	Bricks traditional size 23x11x7 cms 2nd class	cum	512.00	3153.92	1614.81		
	Fine aggregate (Sand)	cum	0.20	461.31	92.26		
	B.LABOUR						
	Manson1st Class	day	0.24	285.00	68.40		
	Manson 2nd Class	day	0.56	260.00	145.60		
	Mazdoor (unskilled)	day	1.89	215.00	406.35		
	Add 20% over labour charges				0.00		
	<b>Grand Total</b>				<b>2572.22</b>	<b>214</b>	<b>406.35</b>
	PLASTERING						
12	Plastering with CM (1 : 4), 12 MM THICK		BLD-CSTN-6-1				
	Unit : 10 sqm						
	A. MATERIALS :						
	Cement Mortar (1:3)	cum	0.15	2363.38	354.51		
	B.LABOUR				0.00		
	Manson1st Class	day	0.60	285.00	171.00		
	Mazdoor (unskilled)	day	0.96	215.00	206.40		
	Add 20% over labour charges		0.00	377.40	0.00		
	<b>Grand Total</b>				<b>731.91</b>	<b>171</b>	<b>206.40</b>

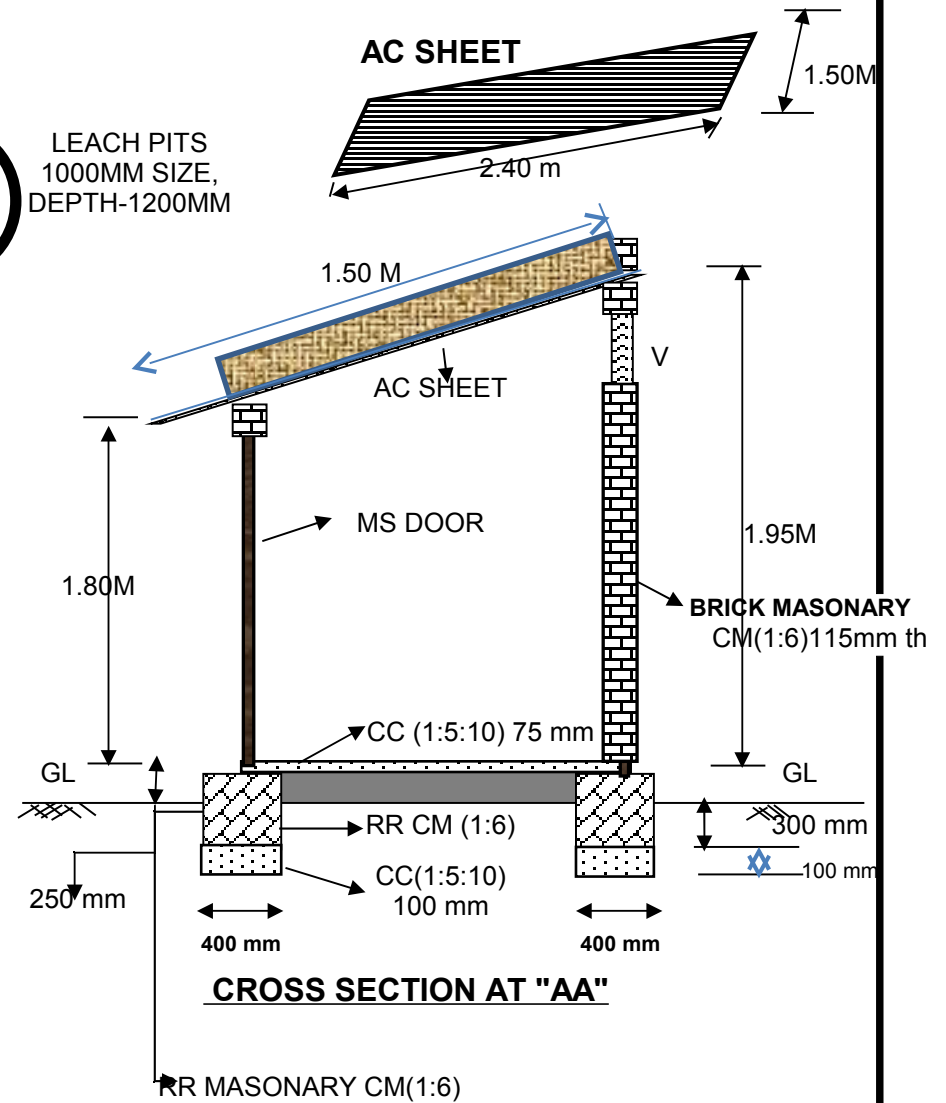
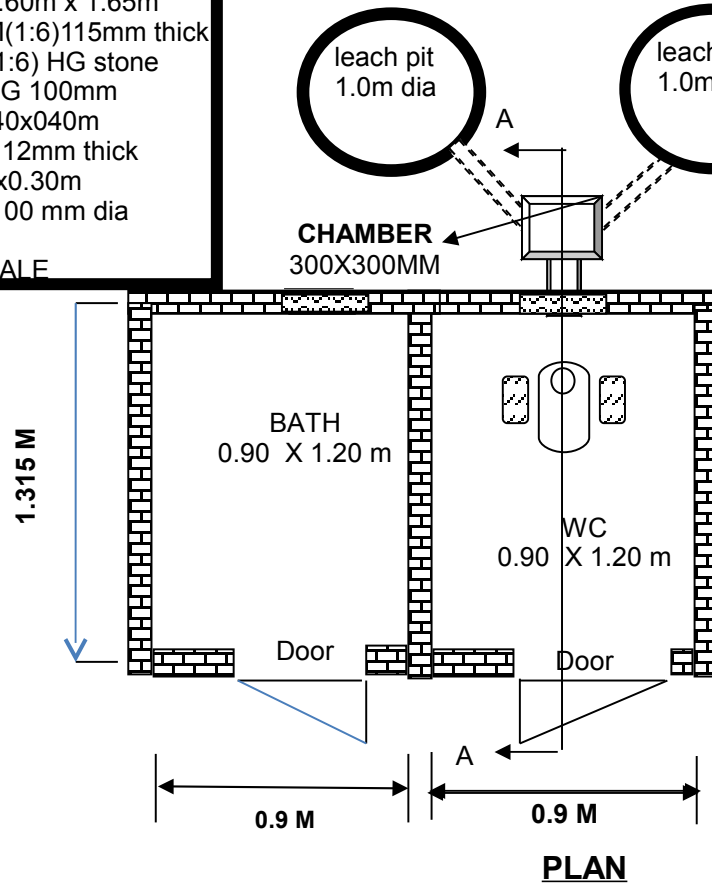
STATEMENT SHOWING THE MATERIAL / LABOUR COMPLEMENT AND SKILLED/ UN SKILLED LABOUR NO. OF MANDAYS GENERATED FOR C/O 2PITS IHHL and Bath Room 6'6"x 4' A.C.Sheet Roof											
Sl No	Particulars of Items	Unit	Quantity	Rate/Per	Amount	Material. Component	Labour Component	Skilled Component on Labour	UN Skilled Component on Labour	No of Man days generated on skilled at rate of Rs. 285/-	No of Man days generated on unskilled at rate of Rs. 215/-
1	2	3	4	5	6	7	8	9	10	11	12
1	E/W excavation in OG soils	1 Cum	3.1	100.26	311	0.00	311	0.00	311	0.00	1.45
2	CC(1:5:10) using 40mm HBG	1 Cum	0.492	2198.70	1081	818.00	263.00	14.00	249.00	0.05	1.16
3	RR Masonry in CM (1:6)	1 Cum	1.68	1828.08	3066	1768.69	1297.00	574.00	723.00	2.01	3.36
4	Brick masonry in CM (1:6)	1 Cum	1.609	2572.22	4139	1834.88	2303.82	201.16	2102.66	0.71	9.78
5	Plastering in CM (1:4) 12mm	10 Sqm	27.29	731.91	1997	950.38	1047.00	474.00	573.00	1.66	2.67
6	Refilling with E/X earth	1 Cum	3.1	50.13	155	0.00	155.35	0.00	155.35	0.00	0.72
7	S/F of RCC 1000mm dia ring	Each	8.00	150.00	1200	985.00	215.00		215.00	0.00	1.00
8	S/F of RCC 1000mm dia ring cover	Each	2.00	200.00	400	293.00	107.00		107.00	0.00	0.50
9	S/F of 100mm SWG pipe line	Rmt	3.00	80.00	240	200.00	40.00		40.00	0.00	0.19
10	RCC Jally Ventiltor 0.6x0.3 mt	Each	2.00	50.00	100	70.00	30.00	30.00	0.00	0.11	0.00
11	S/F of Wc with P Trap (R.C.Rate)	Each	1.00	550	550	550.00	0.00	0.00	0.00	0.00	0.00
12	Supplying of MS door of 0.60X1.65mts(R.C.Rate)	Each	2.00	700.00	1400	1400.00	0.00	0.00	0.00	0.00	0.00
13	Supplying of AC sheet of size 1.50X2.40mts(R.C.Rate)	Each	1.00	870.00	870	870.00	0.00	0.00	0.00	0.00	0.00
14	Fixing Charges of W.C &'P' trap , M.S.Door & A.C.Sheet			L.S	491		491.00	275.00	216.00	0.96	1.00
15	Unforceen items if any	L.S				0.00	0.00			0.00	0.00
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>16000</b>	<b>9739.95</b>	<b>6259.88</b>	<b>1568.16</b>	<b>4691.72</b>	<b>5.50</b>	<b>21.82</b>
								<b>Mazdoors</b>		<b>5.5 Nos</b>	<b>Limited to 20Nos</b>

**PLAN AND CROSS SECTION OF MODEL INDIVIDUAL SANITARY LATRINE(IHHL) 6'6" x 4' WITH 2 LEACH PITS AND BATH**

**::INDEX::**

- 1.SIZE OF TOILET :: 0.9m x 1.20 m
2. BATH :: 0.90m x 1.20m
- 3.AC SHEET SIZE :: 2.40m x 1.50m
- 4.MS DOOR SIZE :: 0.60m x 1.65m
- 5.Brick Masonary in CM(1:6)115mm thick
- 6.RR masonry in CM(1:6) HG stone
- 7.CC(1:5:10) 40mm HBG 100mm
- 8.E/W section :: 040x040m
- 9.Plastering in CM(1:4) 12mm thick
- 10.Ventilator RCC.0.60x0.30m
- 11.SWG pipe line with 100 mm dia

NOT TO SCALE



Section Officer